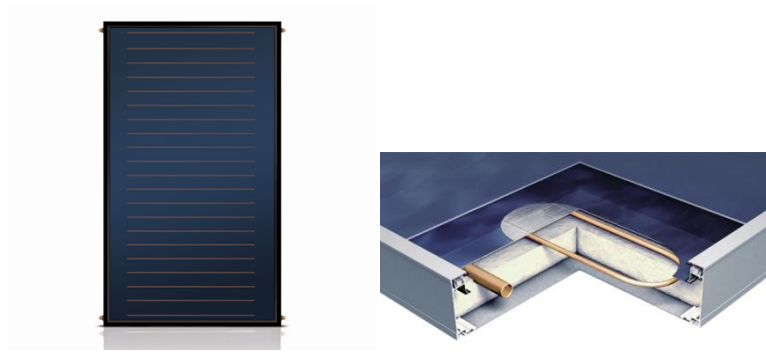




Wunder Drain Meander System

Wunder Drain by Solimpeks is a high performance flat collector sealed with EPDM, glazed with low iron tempered glass and used titanium coated copper inside. The double meander absorber optimizes heat transfer and allows drain back system use and 10 collectors to be connected in a single row.

	Wunder Drain 2510	Wunder Drain 2108
Dimensions	1988x1218x90 mm	1988x1041x90 mm
Casing material	Electrostatic painted aluminium case	Electrostatic painted aluminium case
Weight	44 kg.	37.2 kg.
Sealing material	EPDM & silicone & aluminium frame	Epdm & silicone & aluminium frame
Gross area	2.42 m ²	2.07m ²
Aperture area	2.25 m ²	1.92 m ²
Absorber area	2.23 m ²	1.90m ²
Absorber material	Full- face selective coated cooper	Full- face selective coated cooper
Thickness	0.20 mm	0.20 mm
Absorptance	%97	%97
Emittance	%3	%3
Welding method	Ultrasonic welding	Ultrasonic welding
Heat carrier volume	1.88 Liter	1.60 Liter
Diameter of absorber tube	10mm	10 mm
Absorber tube wall thickness	0,45	0.45
Number of tube	1	1
Tube pitch (mm)	92 mm	92 mm
Glass material	Low iron tempered glass	Low iron tempered glass
Transmittance of glass	% 91	% 91
Thickness of glass	4 mm	4 mm
Insulation material	rock wool	rock wool
Thermal conductivity	0.037 W/(mK)	0.037 W/(mK)
Heat capacity of wool	0.84 KJ/(kgK)	0.84 KJ/(kgK)
Density of wool	50 kg/m ³	50 kg/m ³
Thickness of wool	50 mm	50 mm
Stagnation temperature at 1000 W/m ² and 30 °C	211 °C	211 °C
Maximum operation pressure	10 bar	10 bar
Test pressure	25 bar	25 bar
Nominal flow rate	120 Liter / h	105 Liter / h
Base sheathing	embossed - finished aluminium	embossed - finished aluminium
Mounting mode	Inroof, onto-roof, flat roof	Inroof, onto-roof, flat roof

